

BASEBALL

- Brian, Bob: *Baseball Classes*, Apr., p. 46.
 Briner, R. A. and Smith, R. E.: *Baseball in the Gym*, Dec., p. 12.
 Cohen, Barney: *Training the Base Coaches*, Mar., p. 42.
 Curran, Dave: *Running the Bases*, Feb., p. 22.
 Dunlap, Grant: *Pattern for the Curve-Ball Pitcher*, Mar., p. 10.
 Herbold, John O.: *Come Down on the Ball and Go with the Pitch!*, Mar., p. 34.
 Irace, Charlie: *Opposite Field Hitting*, Apr., p. 48.
 McConnell, Mickey: *"A-Bunting We Will Go!"*, Feb., p. 16.
 Nulton, John E.: *Game-Chart Data Processing for Pitching Perfection*, Mar., p. 22.
 Russo, Tony: *Bunting with an Angled Bat*, Mar., p. 7; *Bunting Strategy: Offense and Defense*, Apr., p. 36.
 Sain, Johnny: *Developing Rotation and Breaking Pitches*, Feb., p. 7.
 Stallings, Jack: *Baseball Signal System*, Feb., p. 52.
 Tierney, R. J. and O'Brien, D.: *Heads-Up Base Running*, Apr., p. 22.
 Toporcer, George (Specs): *Coaching Your Hitters, Part 1: Bat Selection, Grip, Plate Coverage*, Feb., p. 34; *Part 2: Stance, Style, Swing*, Mar., p. 14; *Coaching the First Baseman, Part 1: Action Around the Bag*, Apr., p. 12; *Part 2: Fielding and Special Plays*, May, p. 36.
 Watts, Lew: *Planned Batting Practices*, Mar., p. 26.

BASKETBALL

- Carter, Bill: *Recipe for Good Defense*, Jan., p. 42.
 Coley, Ray C.: *Odd and Even Zone Offense with Reverse Action*, Oct., p. 11.
 Fox, Phil and Usilaner, Dutch: *Ball-Handling Specifics*, Oct., p. 42.
 Fried, David H.: *City-Slicker Defensive Drills*, Sept., p. 110.
 Griffin, Tom: *1-3-1 Shuffle*, Nov., p. 7.
 Harkins, Harry (Mike): *Get-Away on the Controlled Break*, Oct., p. 14.
 Hogeland, Zeke: *Instant Offense: Attacking by the Numbers*, Nov., p. 22.
 Jenkins, Paul E.: *A Lonesome Guard Tight 1-4 Offense*, Oct., p. 12.
 Kloppenburg, Bob: *Individual Defense: Stance, Position, Movement*, Dec., p. 10.
 LaGrand, Louis E.: *Defending the Four Common Attacking Moves*, Oct., p. 38.
 Landa, Howie and Hatrak, Bob: *Five-Man Continuity Stressing Isolation*, Oct., p. 20.
 LeBlanc, Rene: *Baseline Double Post*, Oct., p. 7.
 McManus, John: *Defending the Blind Pick*, Oct., p. 8.
 Merrill, Robert V. C.: *Ohio Wesleyan's Freeze Attack*, Nov., p. 18.
 Munoz, Hector: *Installing the 2-2-1 Zone Press*, Oct., p. 60; *Beating the Zone Press*, Nov., p. 32.
 Nida, Al: *Concealed Switching Man-to-Man Defense*, Nov., p. 12.
 Poulin, Art: *Shuffle, Cut and Deal*, Dec., p. 7.
 Rubin, Roy: *A Switch-in-Time*, Dec., p. 9.
 Samaras, Bob: *Blitz Basketball System*, Nov., p. 10.
 Van Grundy, William: *Multi-Purpose 2-2-1 Delay Pattern*, Oct., p. 68.

Wilder, Robert: *Mechanics of the Jump Shot*, Dec., p. 26.

- Checking the Give-and-Go* (photos), Oct., p. 18.
Buddying-Up on Free-Lance Plays (photos), Nov., p. 8.
1964 All-American H. S. Squad, May, p. 76.

FACILITIES AND EQUIPMENT

- Blickenstaff, Dale: *Charting Basketball with a Tape Recorder*, Jan., p. 18.
 De Carlo, Thomas: *Coaxial Cables, A Teaching Auxiliary*, Jan., p. 32.
 Fleischer, Eugene B.: *Production Techniques for Football Films*, Jan., p. 14.
 Houston, Robert J.: *A Safe, Portable Squat Rack*, Jan., p. 60.
 Kanicki, Walt: *A High School Training Room*, Jan., p. 36.
 Kelliher, M. S.: *Basic Structural Types for Gymnasiums*, Jan., p. 10.
 Kruchoski, Eugene P.: *Do It Audiovisually*, Jan., p. 26.
 Martin, Charles: *A Complete Training Room*, Jan., p. 30.
 Pennington, Gary: *Equipment Every Gym Should Have*, Jan., p. 38.
Putting on the Heat, Jan., p. 7.
Glenbrook's Domed Gym, Jan., p. 8.
Quarter-Mile Track (layout), Jan., p. 52.
Coaching with a TV Tape Recorder, Jan., p. 56.

FOOTBALL

- Acopella, Frank G.: *Defensive Tackle Play vs a Trapping Offense*, June, p. 44.
 Barker, Donald G.: *Correlates of Winning Football*, May, p. 54.
 Bestwick, Dick: *The Lonesome Box*, Sept., p. 48.
 Black, Allen: *The Two-Minute Beat-the-Clock Offense*, May, p. 24.
 Bondér, Jim: *The Myth of Goal-Line Offense: The Difference Is No Difference!*, June, p. 18.
 Busching, William R.: *5-4 Overshifted Defense*, Sept., p. 128.
 Byrne, John: *A Weak Side Attack*, Sept., p. 16.
 Christensen, Donald and Roe, Thomas: *Line Challenge Drills*, June, p. 16.
 Clarke, Harry: *Diversified Defense Inside the 10*, Sept., p. 7.
 Crowder, Bill: *Wing T Simplicity with a Flip-Flop*, Sept., p. 20.
 Durham, John W.: *Five-Unit Method of Football Substitution*, Oct., p. 30; *Balanced Defense: Penetration and Control*, June, p. 26.
 Dyer, Pete: *Automatic Hole Blocking*, Sept., p. 12; *Off-Tackle Look Blocking*, May, p. 8; *Quick-Pitch Series*, June, p. 7.
 Engle, Rip: *Penn State's 68 Series*, Sept., p. 8.
 Farley, Mike: *"Fluid T" Offense*, May, p. 40.
 Federico, Anthony: *The "Swinging Gate" Series*, May, p. 14.
 Friend, John: *"Jitterbug Jump" Defense*, May, p. 48.
 Goldstein, Dave: *Defensive "Stars"*, Sept., p. 26.
 Grievé, Andrew: *Drop-Back Passing*, Apr., p. 32.

- Hayes, John F.: *Rush That Passer!*, Sept., p. 40.
 Hooper, John: *The Inverted Secondary Defense*, June, p. 12.
 Kloppenburg, Don W.: *Training the Lead Guard*, May, p. 12; *Rope Techniques for Developing Offensive Charge*, June, p. 37.
 Lewis, F. D. and Shall, L. M.: *"Falling Ways"*, Sept., p. 28.
 Mortorelli, Mertz: *Football Automatics*, Apr., p. 30.
 Olcott, Jack: *The Punting Game, Part 2: The Formation*, Sept., p. 44; *Protect Your Passer, Part 1: Pocket-Pass Protection and Drills*, May, p. 32; *Part 2: Play-Action Protection and Roll-Out Protection*, June, p. 36.
 Rafferty, James J.: *Five-Man Football, A Pre-HS Training Plan*, May, p. 62.
 Rutter, John F.: *Passing Fancies*, May, p. 7.
 Swanson, Bob: *Multi-Spread from a T Core*, June, p. 10.
 Taylor Jack: *Power Option Series*, Sept., p. 32; *9-2 Goal-Line Defense*, June, p. 24.
 Thompson, Bill: *Southern California's 1-Appealing Shifting T, Part 1: Philosophy and Technique*, Sept., p. 52; *Part 2: The Split-Side Attack*, Oct., p. 32; *Part 3: The Strong-Side Attack*, Nov., p. 72.
 Vivino, David D.: *Centering the Ball*, May, p. 16.
 White, Gavin: *"Sight" Quarterbacking*, June, p. 32.
 Wilkie, Dennis: *Daily Anti-Fumble Drills*, Sept., p. 62; *Possession Blocking, Dynamic Supplement to Rule Blocking*, May, p. 58.

- 1962 "Play of the Year" Winners*, Sept., p. 104.
1963 All-American H. S. Squad, Feb., p. 61.
1963 State H. S. Champions, Mar., p. 76.

GOLF

- Orlando, Tony: *Golfing Course Complete, Part 1: Basic Principles*, Nov., p. 52; *Part 2: Desired Body Movements*, Dec., p. 18; *Part 3: Grips and Addresses*, Feb., p. 13; *Part 4: The Complete Swing*, Mar., p. 12; *Part 5: Helpful Teaching Aids*, Apr., p. 40.
 Pitchford, Keith: *Game-Simulated Golf Practice*, Apr., p. 44.

GYMNASTICS

- Scrobe, Edward J.: *Palmistry for the Gymnast*, Sept., p. 58.

PHYSICAL ED-COACHING

- Bernstein, Daniel: *Special Class for Overweight Boys*, May, p. 44.
 Kagan, Paul: *Do-It-Yourself Publicity*, June, p. 20.
 Krumdieck, V. F. and Lumian, N. C.: *Motivating the Athlete*, Oct., p. 50.
 Tener, Moe: *The Coach's Legal Liabilities*, Nov., p. 50.
 Tunell, Arthur: *Platform Technique for Large Classes*, Mar., p. 48.
 Veller, Don: *Avoiding Trip Headaches*, Mar., p. 32.
An Integrated Public-Parochial School Activity Program, Dec., p. 30.
 (Continued on page 66)

BASEBALL

- Brian, Bob: *Baseball Classes*, Apr., p. 46.
 Briner, R. A. and Smith, R. E.: *Baseball in the Gym*, Dec., p. 12.
 Cohen, Barney: *Training the Base Coaches*, Mar., p. 42.
 Curran, Dave: *Running the Bases*, Feb., p. 22.
 Dunlap, Grant: *Pattern for the Curve-Ball Pitcher*, Mar., p. 10.
 Herbold, John O.: *Come Down on the Ball and Go with the Pitch!*, Mar., p. 34.
 Irace, Charlie: *Opposite Field Hitting*, Apr., p. 48.
 McConnell, Mickey: *"A-Bunting We Will Go!"*, Feb., p. 16.
 Nulton, John E.: *Game-Chart Data Processing for Pitching Perfection*, Mar., p. 22.
 Russo, Tony: *Bunting with an Angled Bat*, Mar., p. 7; *Bunting Strategy: Offense and Defense*, Apr., p. 36.
 Sain, Johnny: *Developing Rotation and Breaking Pitches*, Feb., p. 7.
 Stallings, Jack: *Baseball Signal System*, Feb., p. 52.
 Tierney, R. J. and O'Brien, D.: *Heads-Up Base Running*, Apr., p. 22.
 Toporcer, George (Specs): *Coaching Your Hitters, Part 1: Bat Selection, Grip, Plate Coverage*, Feb., p. 34; *Part 2: Stance, Style, Swing*, Mar., p. 14; *Coaching the First Baseman, Part 1: Action Around the Bag*, Apr., p. 12; *Part 2: Fielding and Special Plays*, May, p. 36.
 Watts, Lew: *Planned Batting Practices*, Mar., p. 26.

BASKETBALL

- Carter, Bill: *Recipe for Good Defense*, Jan., p. 42.
 Coley, Ray C.: *Odd and Even Zone Offense with Reverse Action*, Oct., p. 11.
 Fox, Phil and Usilaner, Dutch: *Ball-Handling Specifics*, Oct., p. 42.
 Fried, David H.: *City-Slicker Defensive Drills*, Sept., p. 110.
 Griffin, Tom: *1-3-1 Shuffle*, Nov., p. 7.
 Harkins, Harry (Mike): *Get-Away on the Controlled Break*, Oct., p. 14.
 Hogeland, Zeke: *Instant Offense: Attacking by the Numbers*, Nov., p. 22.
 Jenkins, Paul E.: *A Lonesome Guard Tight 1-4 Offense*, Oct., p. 12.
 Kloppenburg, Bob: *Individual Defense: Stance, Position, Movement*, Dec., p. 10.
 LaGrand, Louis E.: *Defending the Four Common Attacking Moves*, Oct., p. 38.
 Landa, Howie and Hatrak, Bob: *Five-Man Continuity Stressing Isolation*, Oct., p. 20.
 LeBlanc, Rene: *Baseline Double Post*, Oct., p. 7.
 McManus, John: *Defending the Blind Pick*, Oct., p. 8.
 Merrill, Robert V. C.: *Ohio Wesleyan's Freeze Attack*, Nov., p. 18.
 Munoz, Hector: *Installing the 2-2-1 Zone Press*, Oct., p. 60; *Beating the Zone Press*, Nov., p. 32.
 Nida, Al: *Concealed Switching Man-to-Man Defense*, Nov., p. 12.
 Poulis, Art: *Shuffle, Cut and Deal*, Dec., p. 7.
 Rubin, Roy: *A Switch-in-Time*, Dec., p. 9.
 Samaras, Bob: *Blitz Basketball System*, Nov., p. 10.
 Van Grundy, William: *Multi-Purpose 2-2-1 Delay Pattern*, Oct., p. 68.

Wilder, Robert: *Mechanics of the Jump Shot*, Dec., p. 26.

- Checking the Give-and-Go* (photos), Oct., p. 18.
Buddying-Up on Free-Lance Plays (photos), Nov., p. 8.
1964 All-American H. S. Squad, May, p. 76.

FACILITIES AND EQUIPMENT

- Blickenstaff, Dale: *Charting Basketball with a Tape Recorder*, Jan., p. 18.
 De Carlo, Thomas: *Coaxial Cables, A Teaching Auxiliary*, Jan., p. 32.
 Fleischer, Eugene B.: *Production Techniques for Football Films*, Jan., p. 14.
 Houston, Robert J.: *A Safe, Portable Squat Rack*, Jan., p. 60.
 Kanicki, Walt: *A High School Training Room*, Jan., p. 36.
 Kelliher, M. S.: *Basic Structural Types for Gymnasiums*, Jan., p. 10.
 Kruchoski, Eugene P.: *Do It Audiovisually*, Jan., p. 26.
 Martin, Charles: *A Complete Training Room*, Jan., p. 30.
 Pennington, Gary: *Equipment Every Gym Should Have*, Jan., p. 38.
Putting on the Heat, Jan., p. 7.
Glenbrook's Domed Gym, Jan., p. 8.
Quarter-Mile Track (layout), Jan., p. 52.
Coaching with a TV Tape Recorder, Jan., p. 56.

FOOTBALL

- Acopella, Frank G.: *Defensive Tackle Play vs a Trapping Offense*, June, p. 44.
 Barker, Donald G.: *Correlates of Winning Football*, May, p. 54.
 Bestwick, Dick: *The Lonesome Box*, Sept., p. 48.
 Black, Allen: *The Two-Minute Beat-the-Clock Offense*, May, p. 24.
 Bondér, Jim: *The Myth of Goal-Line Offense: The Difference Is No Difference!*, June, p. 18.
 Busching, William R.: *5-4 Overshifted Defense*, Sept., p. 128.
 Byrne, John: *A Weak Side Attack*, Sept., p. 16.
 Christensen, Donald and Roe, Thomas: *Line Challenge Drills*, June, p. 16.
 Clarke, Harry: *Diversified Defense Inside the 10*, Sept., p. 7.
 Crowder, Bill: *Wing T Simplicity with a Flip-Flop*, Sept., p. 20.
 Durham, John W.: *Five-Unit Method of Football Substitution*, Oct., p. 30; *Balanced Defense: Penetration and Control*, June, p. 26.
 Dyer, Pete: *Automatic Hole Blocking*, Sept., p. 12; *Off-Tackle Look Blocking*, May, p. 8; *Quick-Pitch Series*, June, p. 7.
 Engle, Rip: *Penn State's 68 Series*, Sept., p. 8.
 Farley, Mike: *"Fluid T" Offense*, May, p. 40.
 Federico, Anthony: *The "Swinging Gate" Series*, May, p. 14.
 Friend, John: *"Jitterbug Jump" Defense*, May, p. 48.
 Goldstein, Dave: *Defensive "Stars"*, Sept., p. 26.
 Grievé, Andrew: *Drop-Back Passing*, Apr., p. 32.

- Hayes, John F.: *Rush That Passer!*, Sept., p. 40.
 Hooper, John: *The Inverted Secondary Defense*, June, p. 12.
 Kloppenburg, Don W.: *Training the Lead Guard*, May, p. 12; *Rope Techniques for Developing Offensive Charge*, June, p. 37.
 Lewis, F. D. and Shall, L. M.: *"Falling Ways"*, Sept., p. 28.
 Mortorelli, Mertz: *Football Automatics*, Apr., p. 30.
 Olcott, Jack: *The Punting Game, Part 2: The Formation*, Sept., p. 44; *Protect Your Passer, Part 1: Pocket-Pass Protection and Drills*, May, p. 32; *Part 2: Play-Action Protection and Roll-Out Protection*, June, p. 36.
 Rafferty, James J.: *Five-Man Football, A Pre-HS Training Plan*, May, p. 62.
 Rutter, John F.: *Passing Fancies*, May, p. 7.
 Swanson, Bob: *Multi-Spread from a T Core*, June, p. 10.
 Taylor Jack: *Power Option Series*, Sept., p. 32; *9-2 Goal-Line Defense*, June, p. 24.
 Thompson, Bill: *Southern California's 1-Appealing Shifting T, Part 1: Philosophy and Technique*, Sept., p. 52; *Part 2: The Split-Side Attack*, Oct., p. 32; *Part 3: The Strong-Side Attack*, Nov., p. 72.
 Vivino, David D.: *Centering the Ball*, May, p. 16.
 White, Gavin: *"Sight" Quarterbacking*, June, p. 32.
 Wilkie, Dennis: *Daily Anti-Fumble Drills*, Sept., p. 62; *Possession Blocking, Dynamic Supplement to Rule Blocking*, May, p. 58.

- 1962 "Play of the Year" Winners*, Sept., p. 104.
1963 All-American H. S. Squad, Feb., p. 61.
1963 State H. S. Champions, Mar., p. 76.

GOLF

- Orlando, Tony: *Golfing Course Complete, Part 1: Basic Principles*, Nov., p. 52; *Part 2: Desired Body Movements*, Dec., p. 18; *Part 3: Grips and Addresses*, Feb., p. 13; *Part 4: The Complete Swing*, Mar., p. 12; *Part 5: Helpful Teaching Aids*, Apr., p. 40.
 Pitchford, Keith: *Game-Simulated Golf Practice*, Apr., p. 44.

GYMNASTICS

- Scrobe, Edward J.: *Palmistry for the Gymnast*, Sept., p. 58.

PHYSICAL ED-COACHING

- Bernstein, Daniel: *Special Class for Overweight Boys*, May, p. 44.
 Kagan, Paul: *Do-It-Yourself Publicity*, June, p. 20.
 Krumdieck, V. F. and Lumian, N. C.: *Motivating the Athlete*, Oct., p. 50.
 Tener, Moe: *The Coach's Legal Liabilities*, Nov., p. 50.
 Tunell, Arthur: *Platform Technique for Large Classes*, Mar., p. 48.
 Veller, Don: *Avoiding Trip Headaches*, Mar., p. 32.
An Integrated Public-Parochial School Activity Program, Dec., p. 30.
 (Continued on page 66)

WINNERS TEAM-UP WITH MAGIC-FLEECE



Ivy Leaguer, shown above, with 10" leg and elastic Sta-Up top. Stretch to fit sizes 10 thru 13. White with two Varsity Color Stripes in full range of school colors. 106 same, except solid color band instead of stripes at top. Full line for every sport.

Finest Sport and Casual Socks

Featured by
Leading
Sporting Goods
Dealers



Rockford Textile Mills, Inc.
McMinnville, Tennessee

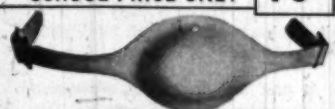
ONLY KENT MOUTHPIECE GIVES PLAYERS ALL THESE BENEFITS

Fits all players • Sanitary, washable
• Self-storing • Can't be dropped •
Can't be swallowed • Worn only during
play • Permits wearer to talk • Use
with any chinstrap.

Meets ALL requirements of
the National Federation.

SCHOOL PRICE ONLY

75c



KENT CHINSTRAP

One piece, full cup strap, molded of
soft resilient material; receiving hole
for use with Kent Mouthpiece.

SCHOOL PRICE
ONLY

60c



DEALER INQUIRIES INVITED
KENT
ATHLETIC EQUIPMENT, INC.
2025 Martin S.E. Grand Rapids 7, Michigan

know which of the two linebackers is stunting, he must prepare to block both of them. This is impossible, unless he limits the number of receivers that he puts into pattern. The overload rush gives your defense the very desirable 8-3 ratio, presenting your opponent with the possibility of having to actually block nine.

These, then, are the basic qualities that make the inverted secondary a welcome addition to your overall defensive game. First of all, it's easy to teach. Secondly, it destroys many of the well-drilled blocking habits of your opponent, in that it neutralizes the end as a prime offensive blocker. Finally, it provides tremendous frontal alignment and pass-rush possibilities while requiring only limited adjustments to motion split ends, etc.

Clearly, this is the emerging trend in defensive football!

Index to Articles

(Continued from page 21,
in Buyer's Guide)

SWIMMING

Batterman, Charles: *Mechanics of the Crawl Arm Stroke*, Oct., p. 46.
Jacobson, Thomas J.: *Competitive Swimming Drills*, Sept., p. 36; *Coaching the Backstroke Start*, Nov., p. 30.

TENNIS

Griffin, J. H.: *A Tennis Program for the Small School*, Apr., p. 50.
Stromgren, George: *Simplified Maneuverability*, Apr., p. 14.

TRACK AND FIELD

Coniam, Jack: *Three Critical Steps in the Pole Vault*, Nov., p. 70.
Doherty, Ken: *Distance Training the Arthur Lydiard Way*, Nov., p. 47.
Errota, Francis and Gardner, Hugh: *1963 All-American H. S. Team*, Sept., p. 114.
Gibson, Ken: *Track Program for Teen-Age Girls*, Jan., p. 40; *Overhand Pass*, Mar., p. 30.
Greer, Harvey J.: *Keeping the Freshmen Interested in Track*, Feb., p. 30.
Kring, Ray: *"Mass-Production" Pole Vault Teaching*, Feb., p. 26.
Lindberg, Folke: *Design for Javelin Throwing*, Apr., p. 60.
Matthews, D. O.: *Guide for Track Officiating, Part 1*, Sept., p. 80; *Part 2*, Oct., p. 52.
Mulligan, Don: *The "Ritual Method" of Coaching Hurdling*, Feb., p. 41.
Pina, Wallace M.: *Teaching Techniques with Beginning Hurdlers*, Mar., p. 52.
Rockhold, Beverly S.: *Developing a 9.4 Junior Sprinter*, Apr., p. 26.
Ross, Wilbur: *300-400 Meter Hurdles While in High School*, Mar., p. 46.
Ryan, Frank: *"Hurdling Is a Sprint Race"*, Feb., p. 14; *Fiberglass Pole Vaulting, Part 1: A Preliminary Analysis*, Mar., p. 8; *Part 2: Differences in Technique*, Apr., p. 7; *Part 3: Coaching Implications*, May, p. 20.
Spence, Dale W.: *The Art of Track Start-*

FOR MEN 5 DAY FOR WOMEN

"TEACHING FENCING" CLINIC

June 22 through 27 in N. Y. C.

Intensive work sessions covering modern fencing techniques and how they should be taught. Planned for instructors at all stages of fencing proficiency and specially adapted to the needs of the Physical Education teacher who is called on to teach fencing at class or club level.

DIRECTORS:

Hugo M. Castello, Pres. Nat. Fencing Coaches Ass'n. of America / Fencing Coach, Pan-American Games 1963 / Coach, N.Y.U. Fencing Team.

James M. Castello, Coach, N.Y.U. Fencing Team.

STAFF:

Other well known fencing coaches and Physical Education leaders.

CERTIFICATES OF COMPLETION:

Awarded to those who attend all sessions.

TUITION:

\$25.00

For reservations or additional information, write —

CASTELLO

FENCING EQUIPMENT CO.
30 E. 10th St., N.Y.C. 10003, GR 3-6930

APPROVED ATHLETE'S FOOT CONTROL



Controlled medical tests* prove the value of ONOX SKIN-TOUGHENER for treatment and prevention of athlete's foot.

*RESEARCH QUARTERLY



Test Onox in your shower rooms for 60 days. If not fully satisfied you pay nothing. Sold direct from manufacturer. For complete information and medical reports write: Dept. B

ONOX

ONOX, INC., 121 SECOND STREET
SAN FRANCISCO 5, CALIFORNIA
Warehouses: Murray Hill, N. J.; Cleveland Ohio; Memphis, Tenn.; Newark, California

ing, Mar., p. 40.
 Stein, Julian U.: *Developing the Sprinter*, Dec., p. 22; *Train Your Vaulters on the Ropes*, Jan., p. 46.
 Thompson, Gerald L.: *Training Gimmicks for the Shot Put*, Feb., p. 48.
 Waha, B. L. and Briner, R. A.: *Cross-Country Gadgets and Gimmicks*, Mar., p. 38.
 Walker, L. T.: *Elementary Fundamentals in Sprint Relay Racing*, Feb., p. 38.
 Wilt, Fred: *Training Trends in Distance Running*, Feb., p. 10.
Starting in a Hury! (photos), Apr., p. 10.

TRAINING-CONDITIONING

Brown, Sterling R.: *In-Season Isometrics for Football*, Apr., p. 54.
 Gieck, Joe: *Muscle Testing and Corrective Exercises in Athletic Injuries*, Sept., p. 66.
 Graupman, Lee: *Weight Training and Physical Education*, Oct., p. 22.
 Kiess, Aaron: *A Pre-Game Meal in a Can!*, Mar., p. 60.
 Kucharski, G. H. and Yeager, R. F.: *Incentive for Weight Training*, Sept., p. 74.
 Morgan, William B.: *Evaluation of Isometric Strength Gains*, May, p. 50.
 Neuberger, Tom: *A Concise Weight Training Program*, Sept., p. 70.
 Pickford, Bruce J.: *Isometric Contraction Program for Football*, Nov., p. 36.
 Storck, George H.: *Progressive Calisthenics for Football Practice*, Apr., p. 90.
 Thompson, Gerald L.: *Orthopedic Ankle Strapping*, Nov., p. 26.
First Aid for Athletic Injuries, Mar., p. 93.
You Can Prevent Heat Stroke!, May, p. 100.

WRESTLING

Evans, G. Heberton: *Tournament Experience for Younger Wrestlers*, Jan., p. 22.
 Miller, Bernard R.: *Soft Music and Hard Training in H. S. Wrestling*, Oct., p. 26.
 Schall, Jim: *Arm Elevator Series*, Nov., p. 15; *Side Wrestling Series*, Dec., p. 14.
1963-64 Wrestling Rules Changes, Oct., p. 83.

Rope Techniques

(Continued from page 38)

Defensive men 1 and 2 execute a defensive rip-up on each offensive man approaching, allowing offensive men sufficient time to recover from particular agility move before rip-up move.

The rope mechanism represents an active challenge to our players to stay low. Once a participant experiences a low-bridge by the rope, he won't quickly forget the cut on his nose or forehead, or, worse yet, the amusement of his peer group.

It must be remembered that the rope mechanism isn't an end in itself, but serves as a valuable mechanical aid in the coach's, never-ending challenge to perfect his players.

We feel certain that every coach who gives it a try will be satisfied with the results.

NEW DESIGNS FOR ALL SPORTS SCOREBOARDS

ALL AMERICAN

BASKETBALL

HOME	TIME	GUEST
34	10:00	28

FOOTBALL

10	HOME	VISITOR
57	28	26
QUARTER	DOWN	YDS TO GO
3	3	10

BASEBALL

BALL	STRIKE	CUT
3	1	2
1 2 3 4 5 6 7 8 9 10 RHE		
VISITORS 0 1 0 0 0 2 0 2 1 6 9 2		
HOME 1 0 0 3 1 0 4 0 9 8 1		

All-American's thirty years of experience can be relied on when your recreational facility is in need of sports scoring and timing equipment.

From elementary schools to major league stadia, indoor and out, All-American scoreboards accurately meet the varying requirements of the nation's sporting events — football, basketball, baseball, hockey, swimming, track and other sports.

For accuracy, dependability, for years of reliable service, join All-American's scoring ranks of such noted facilities as:

Yankee Stadium • U. of Notre Dame • Milwaukee County Stadium • U.S. Naval Academy • Comiskey Park • Fordham • U. of California • Candlestick Park • Villanova • Boston U. • U.S. Military Academy • Columbia • Cow Palace • Cleveland Municipal Stadium

FREE CATALOGS: Before making any scoreboard decision, write for full-color literature or information about custom installations. There is no obligation.

GIC | general indicator corporation
 271 MADISON AVENUE • NEW YORK 16
 ORegon 9-1060 • Area Code: 212

YOUR KEY TO

100% LOCKER SECURITY
 EASY FACULTY SUPERVISION

Gouglar Combination Padlocks With MASTER KEY...

Fine quality, long-lasting locks plus the inspection security only a master key affords. Key design cannot be copied by key making machines. **\$1.35 each**

2 Years to Pay Interest Free!

ECONOMY
Red Dot Combination PADLOCK

88¢ In the dark, in the light... count the clicks, it opens. Durable, easy to operate, tamperproof! Each lock registered. Master file of combinations.

3 YEAR GUARANTEE

WRITE TODAY FREE LOCK for your inspection. Requests must be on school letterhead.

C. L. GOUGLER Machine Company
 Lock Division • 705 Lake Street • Kent, Ohio 44240
 CLG-364-55